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APPLICATION NO.	FIL	LING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/853,370	0:	5/11/2001	Donald S. Gardner	42390P11265	42390P11265 7273	
8791	7590	02/18/2004		EXAM	EXAMINER	
		OFF TAYLOR &	NGUYEN, TUYEN T			
12400 WILSHIRE BOULEVARD, SEVENTH FLOOR LOS ANGELES, CA 90025				ART UNIT	PAPER NUMBER	
				2832		

Please find below and/or attached an Office communication concerning this application or proceeding.

				_ m			
		Application No.	Applicant(s)				
		09/853,370	GARDNER, DONALD	) S.			
Office Action Summary		Examiner	Art Unit				
		TUYEN T NGUYEN	2832				
D!! 4	The MAILING DATE of this communication a	opears n the cover sheet with t	the correspondence addre	ess			
	or Reply		IT: ((0) EDOM				
THE - External after - If th - If No - Failer Any	HORTENED STATUTORY PERIOD FOR REP MAILING DATE OF THIS COMMUNICATION ensions of time may be available under the provisions of 37 CFR 1 or SIX (6) MONTHS from the mailing date of this communication. He period for reply specified above is less than thirty (30) days, a report of or reply is specified above, the maximum statutory period ure to reply within the set or extended period for reply will, by stature reply received by the Office later than three months after the mailined patent term adjustment. See 37 CFR 1.704(b).		be timely filed  0) days will be considered timely.  6 from the mailing date of this comm  DONED (35 U.S.C. § 133).	nunication.			
Status							
1)🖂	Responsive to communication(s) filed on 04.	August 2003.					
2a) <u></u>		is action is non-final.					
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
	closed in accordance with the practice under	Ex parte Quayle, 1935 C.D. 1	1, 453 O.G. 213.				
Disposit	tion of Claims						
4) 又	Claim(s) <u>1-6,11-17,20-25 and 31-35</u> is/are pe	ending in the application.					
,	4a) Of the above claim(s) <u>12-15 and 31-34</u> is/are withdrawn from consideration.						
5)□	Claim(s) is/are allowed.						
	Claim(s) <u>1-6,11,16,20-25 and 35</u> is/are rejected.						
7)	Claim(s) is/are objected to.						
8)	Claim(s) are subject to restriction and/	or election requirement.					
Applicat	tion Papers						
9)[	The specification is objected to by the Examir	ner.					
	The drawing(s) filed on is/are: a) ac		the Examiner.				
	Applicant may not request that any objection to the	e drawing(s) be held in abeyance.	See 37 CFR 1.85(a).				
	Replacement drawing sheet(s) including the corre	ction is required if the drawing(s) i	s objected to. See 37 CFR	1.121(d).			
11)	The oath or declaration is objected to by the E	Examiner. Note the attached O	ffice Action or form PTO-	152.			
Priority	under 35 U.S.C. § 119						
12)	Acknowledgment is made of a claim for foreig	n priority under 35 U.S.C. § 11	19(a)-(d) or (f).				
a)	)						
	1. Certified copies of the priority documer	nts have been received.					
	2. Certified copies of the priority documer	nts have been received in Appl	ication No				
	3. Copies of the certified copies of the pri	ority documents have been red	ceived in this National Sta	age			
	application from the International Burea						
* ;	See the attached detailed Office action for a lis	st of the certified copies not rec	eived.				
Attachmer	nt(s)						
	ce of References Cited (PTO-892)	4) Interview Sumi					
	ce of Draftsperson's Patent Drawing Review (PTO-948) rmation-Disclosure Statement(s) (PTO-1449 or PTO/SB/08		ail Date mal Patent Application (PTO-15	52)			
	rmation-Disclosure Statement(s) (P+O-1449 or P+O/SB/0) er No(s)/Mail Date <u>12/8/03</u> .	6) Other:	THE RESILE PHILIPPING AND THE TO-13	· <b>-</b> /			

## **DETAILED ACTION**

## Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claim 11 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Regarding claim 11, applicant should clarify the structure intended by "the second conductor over the substrate and over the second conductor."

## Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1, 6, 11, 16-17, 20, 25 and 35 are rejected under 35 U.S.C. 103(a) as being unpatentable over Mizoguchi et al. [US 6,404,317] in view of Mizoguchi et al. [US 6,121,852].

Mizoguchi et al. '317 discloses a planar magnetic transformer [figures 21-24] comprising:

- a substrate [10];
- a first conductor [40A] mounted over the substrate defining a generally spiral-shaped signal path having at least one turn;
- a second conductor [40B] mounted over the substrate defining generally spiral-shaped signal path having at least one turn, wherein the second conductor lies over the first conductor;

- a first magnetic layer [30A] disposed between the substrate and the first conductor; and
- a second magnetic layer [30B] disposed over both the first and second conductors.

Mizoguchi et al. '317 discloses the instant claimed invention except for a magnetic layer being disposed between the all of the spiral shape signal path of the first and second conductors.

Mizoguchi et al. '852 discloses an inductor device [figure 13] formed on an substrate [27] including a magnetic layer [22] disposed two conductor layers [24, 25].

It would have been obvious to one having ordinary skilled in the art at the time the invention was made to use the magnetic layer arrangement of Mizoguchi et al. '852 in Mizoguchi et al. '317 for the purpose of controlling the magnetic flux.

Regarding claims 20, 25-26 and 35, the method steps claimed would have been inherent in the product structure.

Claims 2-5, and 21-24 are rejected under 35 U.S.C. 103(a) as being unpatentable over Mizoguchi et al. '317 in view of Mizoguchi et al. '852, as applied to claims 1, 6, 7, 11, 16-17, 20, 25-26 and 35, 36 and 38 above, and further in view of Fessant et al. [IEEE paper, copyrighted 1993].

Mizoguchi et al., as modified, discloses the instant claimed invention except for the specific material use for the magnetic layer.

Fessant et al. discloses the use of amorphous CoZr thin films.

It would have been obvious to one having ordinary skilled in the art at the time the invention was made to use the materials shown by Fessant et al. for the magnetic layers of Mizoguchi et al., as modified, for the purpose of providing low coercitivity.

Regarding claims 21-24, the method steps claimed would have been inherent in the product structure.

Applicant's arguments with respect to claims 1-6, 11, 16-17, 20-25, have been

considered but are moot in view of the new ground(s) of rejection.

Conclusion

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to TUYEN T NGUYEN whose telephone number is 703-308-0821.

The examiner can normally be reached on M-F 8:30-6:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, ELVIN ENAD can be reached on 703-308-7619. The fax phone number for the

organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

TTN TW

Tayla Nguyla